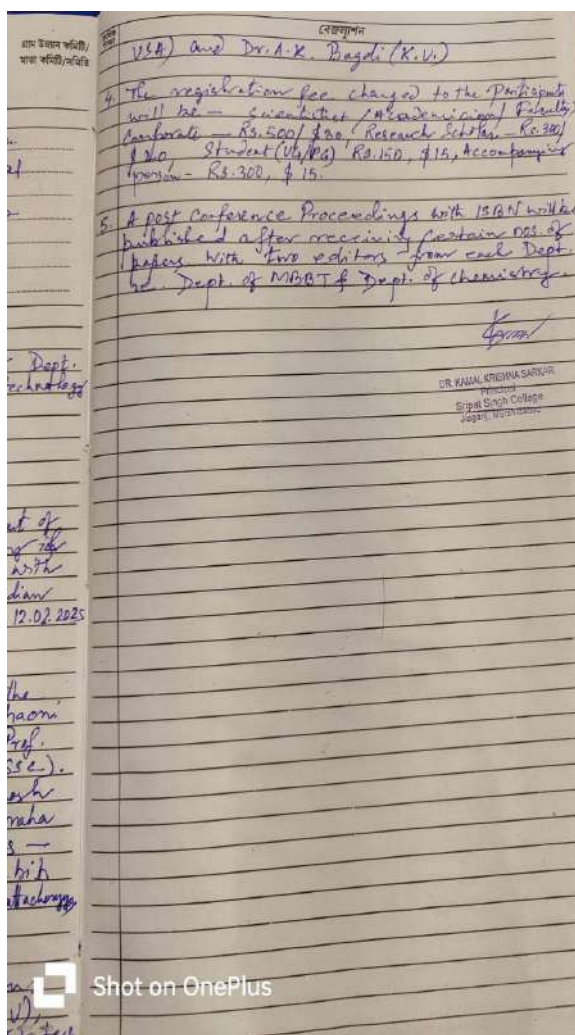
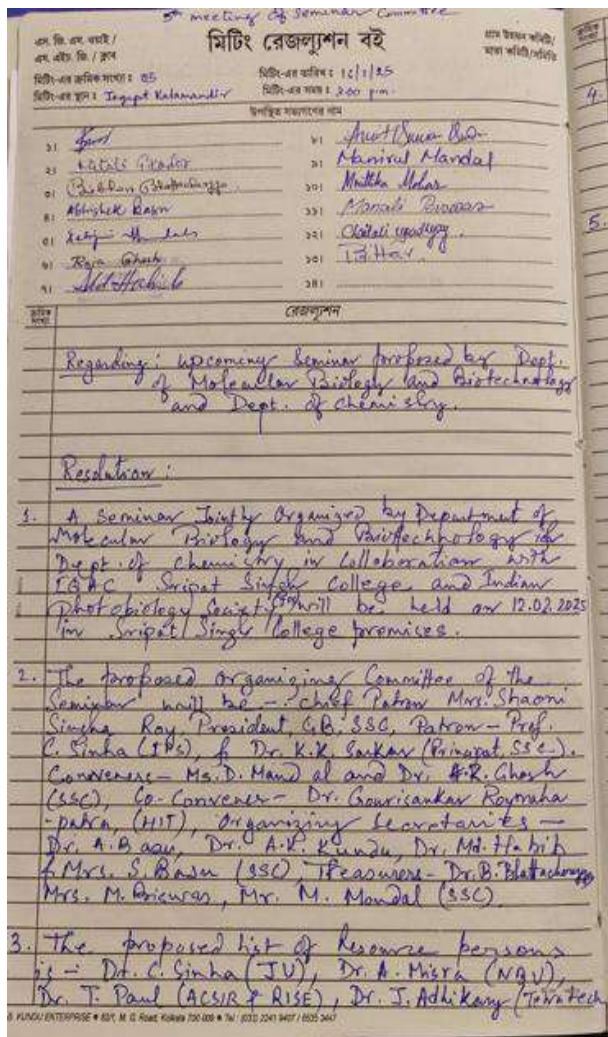


International Seminar on Emerging Trends in Science and Sustainability jointly organized by the Department of Molecular Biology and Biotechnology and the Department of Chemistry in the Academic Year – 2024-25



Meeting Resolution of International Seminar on Emerging Trends in Science and Sustainability



International Seminar
Emerging Trends in Science and Sustainability
 February 12, 2025

Organized By
 Department of Molecular Biology & Biotechnology,
 Department of Chemistry and IQAC,
 Sripat Singh College (SSC), Jiaganj,
 Murshidabad, West Bengal, India
<https://www.sripatsinghcollege.edu.in/>

In Collaboration With
 Indian Photobiology Society (IPS),
 Jadavpur University Campus,
 Jadavpur, Kolkata,
 West Bengal, India
<https://ipbsindia.in/>

Chief Patron
 Mrs. Shaoni Singha Roy, President, GB, SSC

Conveners
 Ms. Debjani Mandal, Asst. Professor, SSC
 Dr. Raja Ghosh, Asst. Professor, SSC

Joint Convener
 Dr. Gourisankar Roymahapatra,
 Assoc. Professor, HIT & Treasurer, IPS

Resource Persons

- Prof. Chittaranjan Sinha, Professor, Jadavpur University, West Bengal, India
- Prof. Anirban Misra, Professor, University of North Bengal, West Bengal, India
- Dr. Tanmoy Paul, Scientist, Research Institute for Sustainable Energy, India
- Dr. Jishnu Adhikary, Scientist, Tetra Tech, Mall Boulevard, King of Prussia, PA, USA
- Dr. Avik Kumar Bagdi, Asst. Professor, University of Kalyani, West Bengal, India

Patrons
 Prof. Chittaranjan Sinha, Professor,
 Jadavpur University & Secretary, IPS
 Dr. Kamal Krishna Sarkar, Principal, SSC

Organizing Secretaries
 Dr. Abhishek Basu, Asst. Professor, SSC
 Dr. Amit Kr. Kundu, Asst. Professor, SSC
 Dr. Md Habib, Asst. Professor, SSC
 Mrs. Sayantani Basu, SACT, SSC

Venue: Rabindra Sabhakaksha, Sripat Singh College, Jiaganj, Murshidabad

Brochure of the Conference

An International Conference on Emerging Trends in Science and Sustainability jointly organized by the Department of Molecular Biology and Biotechnology was jointly organized by the Department of Molecular Biology and Biotechnology and Department of Chemistry, Sripat Singh College, Jiaganj, Murshidabad, West Bengal, India in collaboration with IQAC on 12th of February, 2025 from 9.30 AM.

The chief patron of the seminar was Ms. Shaoni Singha Roy (President, Governing Body, Sripat Singh College). The patrons of the seminar included Dr. Chittaranjan Sinha (Professor, Jadavpur University and Secretary, Indian Photobiology Society) and Dr. Kamal Krishna Sarkar (Principal, Sripat Singh College). The conveners of the seminar Ms. Debjani Mandal and Dr. Raja Ghosh, Assistant Professors of Sripat Singh College, and Dr. Gourisankar Roymahapatra, Assistant Professor of Haldia Institute of Technology and Treasurer of Indian Photobiology Society. The entire conference was hosted by convener Dr. Abhishek Basu.



Sripat Singh College

P.O. Jaganj • Dist. Murshidabad • West Bengal.
742 123/1029 /www.sripatsinghcollege.edu.in/ Email: ssc@sscl.ac.in

Ref.No. SSC/112.01/24-25

Date: 11/6/25

To,
Dr. Avik Kumar Bagdi
Department of Chemistry
University of Kalyani

Sub: Invitation to deliver a lecture in International Conference on 'Emerging Trends in Science and Sustainability' to be held on 12.02.2025

Dear Sir,
It gives me immense pleasure to inform you that Department of Molecular Biology & Biotechnology and Department of Chemistry, Sripat Singh College in collaboration with Indian Photochemistry Society, is organizing a one day International Conference on 'Emerging Trends in Science and Sustainability' on 12.02.2025. On this occasion, I would request you to act as a Resource Person and deliver a lecture. I would also pray for a message from your august self for inclusion in the commemorative volume.

I and with an earnest entreaty that our prayer for your presence may please be granted.

Thanking you,

Yours sincerely,

[Signature]
11.01.25

DR. KAMAL KRISHNA SARKAR
Principal
Sripat Singh College
Jaganj, Murshidabad



Sripat Singh College

P.O. Jaganj • Dist. Murshidabad • West Bengal.
742 123/1029 /www.sripatsinghcollege.edu.in/ Email: ssc@sscl.ac.in

Ref.No. SSC/112.01/24-25

Date: 11/6/25

To,
Dr. Jishnu Adhikari
Tetra Tech, Mall Boulevard,
King of Prussia, PA, USA

Sub: Invitation to deliver a lecture in International Conference on 'Emerging Trends in Science and Sustainability' to be held on 12.02.2025

Dear Sir,
It gives me immense pleasure to inform you that Department of Molecular Biology & Biotechnology and Department of Chemistry, Sripat Singh College in collaboration with Indian Photochemistry Society, is organizing a one day International Conference on 'Emerging Trends in Science and Sustainability' on 12.02.2025. On this occasion, I would request you to act as a Resource Person and deliver a lecture. I would also pray for a message from your august self for inclusion in the commemorative volume.

I and with an earnest entreaty that our prayer for your presence may please be granted.

Thanking you,

Yours sincerely,

[Signature]
11.01.25

DR. KAMAL KRISHNA SARKAR
Principal
Sripat Singh College
Jaganj, Murshidabad



Invitation Letters of International Conference for Delegates

113 participants were present in both offline and online modes (through the registration link - <https://forms.gle/sCnVGNjkLuTvYc6DA>), including faculties of Sripat Singh College, students mainly from the Molecular Biology & Biotechnology and Chemistry Departments, research scholars from different universities and faculties of different colleges attended this conference.

Program Schedule

International Seminar on Emerging Trends in Science and Sustainability

12th of February, 2025

Venue: Rabindra Sabhakaksha, Sripat Singh College

Time	Event
9.30-10.00 a.m.	Registration
Session-I	
10.00-10.30 a.m.	Inaugural ceremony and Welcome address by Dr. Kamal Krishna Sarkar Principal, Sripat Singh College
10.30-11.10 a.m.	Keynote Lecture: Prof. Chittaranjan Sinha Department of Chemistry, Jadavpur University, West Bengal, India
11.10-11.50 a.m.	Invited Lecture: Dr. Jishnu Adhikari Tetra Tech, Mall Boulevard, King of Prussia, PA, USA
11.50 a.m.- 12.00 noon	Tea Break
12.00 noon- 12.40 p.m.	Invited Lecture: Prof. Anirban Misra Department of Chemistry, University of North Bengal, West Bengal, India
12.40-01.20 p.m.	Invited Lecture: Dr. Tanmoy Paul Research Institute for Sustainable Energy, India
01.20-02.20 p.m.	Lunch Break
Session-II	
02.20-03.00 p.m.	Invited Lecture: Dr. Avik Kumar Bagdi Department of Chemistry, University of Kalyani, West Bengal, India
03.00-03.50 p.m.	Technical Session + Poster Presentation Oral Presentation by Participants (10 minutes for each Lecture) Parallel Poster Presentation in Room No.01
03.50-04.00 p.m.	Tea Break
04.00-04.15 p.m.	Prize and Certificate distribution
04.15-04.30 p.m.	Valedictory Session

Program Schedule of the Conference

Important Dates	
Abstract & Full Paper Submission Starts	January 20, 2025
Abstract Submission Ends	February 06, 2025
Abstract Acceptance Notification	February 07, 2025
Full Paper Submission Ends	February 11, 2025
Registration Starts	January 20, 2025
Registration Ends	February 09, 2025
Date of the Seminar	February 12, 2025

Participants are invited to submit abstracts for oral/poster presentation. Abstract must be submitted to abstractbiotechchem@gmail.com according to guidelines given below.

Strictly adhere to the given abstract template:
<https://docs.google.com/document/d/1xlpJ00kVGLjFXkpkqKqEs1MfHXvPxLo0AI9UMAoSJto/edit?usp=sharing>
 Poster Size for presentation : L-4 ft & W-2.5 ft
 Oral Presentation: 8 min Presentation, 2 min Discussion

Conference Highlights

- Best poster and oral presentation will be awarded
- Post conference publication of full paper in book with ISBN, after rigorous review process (details to be announced later)


Registration Details: Participants are advised to complete their online registration process after depositing the registration fee.

Registration fee	National	International
Scientist/Academician/ Faculty/Corporate	Rs. 500	\$30
Research Scholar	Rs. 300	\$20
Student(UG/PG)	Rs. 150	\$10
Accompanying Person	Rs. 300	\$15

Payment Mode: Online/NEFT/PhonePe/Google Pay
Name of Account Holder: Principal Sripat Singh College
Bank Name: Bank of Baroda
Branch Name and Code: Jiaganj, JIAGAN
Account Number: 52560100000695
RTGS/NEFT IFSC Code: BARB0JIAGAN (5th character is zero)

Click here for Registration
<https://forms.gle/sCnVGNjklUtvYc6DA>

Scan To Pay



vpa : princ94774695@barodampay

Registration Related Details

Sl. No.	Name	Designation	Department	FOOD	Signature
24	Mr. Biju Mondal	Student	BIOLOGY & BIOTECHNOLOGY	Non Veg	Ashu Mondal
25	Mr. Priyam Bhowmik	Student	Chemistry	Non Veg	Priyam Bhowmik
26	Mr. Arindam Panigrahy	Student	Department of Chemistry	Non Veg	Arindam Panigrahy
27	Mr. Arindam Ghosh	Student	Department of Chemistry	Non Veg	Arindam Ghosh
28	Mr. Mumin Islam	Student	Department of Chemistry	Non Veg	Mumin Islam
29	Mr. Bibek Chowdhury	Student	Chemistry	Veg	Bibek Chowdhury
30	Mr. TOSIFUZZAMAN SARWAR	Student	Chemistry	Non Veg	Tosifuzzaman Sarwar
31	Mr. ARIF HOSSAIN	Student	Chemistry	Non Veg	Arif Hossain
32	Mr. TUSAR KARMAR	Student	Department of Chemistry	Non Veg	Tusar Karmar
33	Mr. Rinku Kundu	Student	Chemistry	Non Veg	Rinku Kundu
34	Dr. Sohel Sik	Student	Chemistry	Non Veg	Sohel Sik
35	Mr. SUBHAM MONDAL	Student	Chemistry	Non Veg	Subham Mondal
36	Mr. JAYANTA MONDAL	Student	MBBT	Non Veg	Jayanta Mondal
37	Mr. Mukesh Haider	Student	Chemistry	Veg	Mukesh Haider
38	Ms. ARPITA MONDAL	Student	Chemistry	Non Veg	Arpita Mondal
39	Ms. SOUMITA PRAMANIK	Student	Chemistry	Non Veg	Soumita Pramanik
40	Ms. JOBA DAS	Student	Chemistry	Non Veg	Joba Das
41	Mr. Shubhrajit Dutta	Student	Microbiology and biotechnology	Veg	Shubhrajit Dutta
42	Mr. Neelashree Saha	Student	Geography	Veg	Neelashree Saha
43	Dr. Sucheta Mukherjee	Assistant Professor	Chemistry	Non Veg	Sucheta Mukherjee
44	Dr. Mitika Mohar	Assistant Professor	Chemistry	Non Veg	Mitika Mohar
45	Dr. Riya Ghosh	Assistant Professor	Geography	Non Veg	Riya Ghosh
46	Dr. Sandi Mondal	Assistant Professor	Political science	Veg	Sandi Mondal
47	Mr. Dipu Sarkar	Assistant Professor	Physics	Non Veg	Dipu Sarkar
48	Dr. Deep Prasad Datta	Assistant Professor			Deep Prasad Datta

Sl. No.	Name	Designation	Department	FOOD	Signature
1	Dr. Ashish Bhow	Assistant Professor	Molecular Biology and Biotechnology	Non Veg	Ashish Bhow
2	Ms. Debjani Mondal	Assistant Professor	Molecular Biology and Biotechnology	Non Veg	Debjani Mondal
3	Dr. MD HABIB	Assistant Professor	Chemistry	Non Veg	MD HABIB
4	Dr. Dr. Anil Kumar Kundu	Assistant Professor	Chemistry	Non Veg	Anil Kumar Kundu
5	Dr. Bishnu Bhattacharya	Associate Professor	Molecular Biology and Biotechnology	Non Veg	Bishnu Bhattacharya
6	Ms. Riya Das	Professor	Molecular biology and biotechnology	Veg	Riya Das
7	Ms. JANNATUNNESHA	Professor	Chemistry	Non Veg	Jannatunnisha
8	Mr. Sayantan Bhow	SACT	Molecular Biology and Biotechnology	Non Veg	Sayantan Bhow
9	Mr. MANIRUL MONDAL	SACT	Chemistry	Non Veg	Manirul Mondal
10	Mr. Sushil Mondal	Student	Molecular biology and Biotechnology	Non Veg	Sushil Mondal
11	Mr. BISWARUP MONDOL	Student	MOLECULAR BIOLOGY & BIOTECHNOLOGY	Non Veg	Biswarup Mondol
12	Mr. Md Musaddid Hasan	Student	Biotechnology	Non Veg	Md Musaddid Hasan
13	Mr. Md Zinat Rayda	Student	MBBT	Non Veg	Md Zinat Rayda
14	Ms. SOHANA ALI	Student	MBBT	Non Veg	Sohana Ali
15	Mr. Swastha Rajbanshi	Student	Chemistry	Non Veg	Swastha Rajbanshi
16	Ms. MD WADUDUJAMAN	Student	Chemistry	Veg	Md Wadudujaman
17	Mr. SOURAV PAL	Student	Chemistry	Non Veg	Sourav Pal
18	Mr. Souvender Sarkar	Student	Chemistry	Veg	Souvender Sarkar
19	Ms. Rafiqul Islam	Student	Chemistry	Non Veg	Rafiqul Islam
20	Mr. Bikramjit Chel	Student	Chemistry	Non Veg	Bikramjit Chel
21	Mr. Adhique Sarkar	Student	Chemistry	Non Veg	Adhique Sarkar
22	Mr. Sonam Karmakar	Student	Department of Chemistry	Non Veg	Sonam Karmakar
23	Ms. MOULI GHOSH	Student	MOLECULAR	Non Veg	Mouli Ghosh

Signatures of attendees who participated in the conference

And a snap of the registration list follows

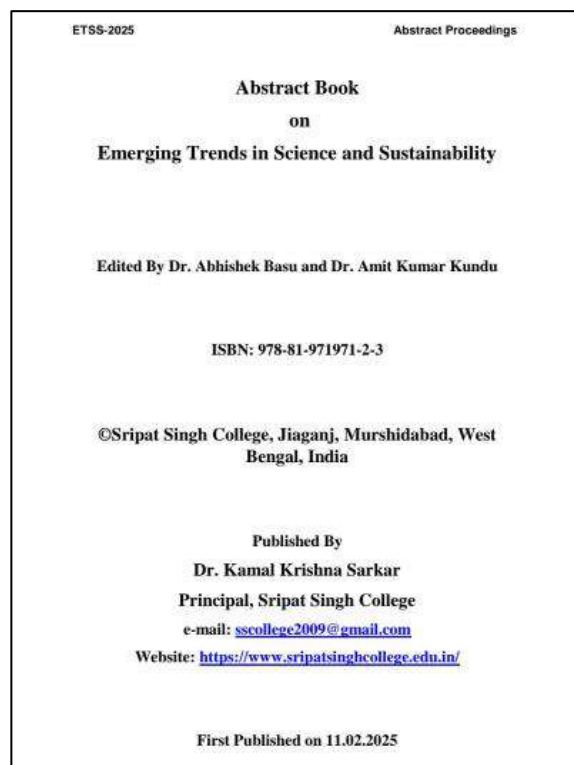
	A	B	C	D	E
1	Timestamp	Email Address	Are you from Sripat Singh College?	Salutation	Name (to be printed in the certificate)
2	1/21/2025 9:56:22	abasu@sripatsinghcollege	Yes	Dr.	Abhishek Basu
3	1/21/2025 17:27:21	sucheta.geo2012@gmail	Yes	Dr.	Sucheta Mukherjee
4	1/30/2025 8:44:04	cmondal15@gmail.com	No		
5	1/30/2025 20:24:30	chatterjeeswadesh0@gmail	Yes	Ms.	Tritha Chatterjee
6	1/30/2025 21:09:32	diyochoudhuri@gmail.c	Yes	Ms.	DIYOTTAMA CHOUDHURI
7	1/31/2025 13:42:52	biswasashis9065@gmail	No		
8	2/1/2025 7:41:01	surajitsaha.to.91@gmail	No		
9	2/1/2025 12:36:53	sayantani2basu@gmail	Yes	Mrs.	Sayantani Basu
10	2/4/2025 10:53:06	mandalmadhusudan201	No		
11	2/4/2025 11:07:49	08debjani@gmail.com	Yes	Ms.	Debjani Mandal
12	2/4/2025 13:53:00	sm9005014@gmail.con	Yes	Mr.	Sudip Mondal
13	2/4/2025 14:08:54	shiladityabiswas22@gm	Yes	Mr.	Shiladitya Biswas
14	2/4/2025 14:09:49	sarkarnirmalya007@gm	Yes	Mr.	NIRMALYA SARKAR
15	2/4/2025 14:15:04	sohamd689@gmail.con	Yes	Mr.	Soham Das
16	2/4/2025 17:36:26	sinhanandan881@gmail	Yes	Mr.	Nandan Sinha
17	2/4/2025 19:45:46	hs6867333@gmail.com	Yes	Ms.	Hamida Sultana

The seminar commenced with a traditional lamp-lighting ceremony, led by the Principal and eminent speakers. Principal Dr. Kamal Krishna Sarkar delivered the welcome speech, highlighting the objectives of the seminar. The keynote speaker Prof. Chittaranjan Sinha, engaged the audience with a crucial discussion on lab safety protocols, illustrating key points through slides and real-life examples.



Inaugural ceremony- Welcome address by Principal, SS college and Inaugural lecture by Prof. C.R. Sinha

The proceedings of the seminar was successfully released as a book with ISBN, edited by the organizing secretaries of the seminar Dr. Abhishek Basu and Dr. Amit Kumar Kundu, and published by Dr. Kamal Krishna Sarkar, Principal, Sripat Singh College.



Abstract Book of our Conference with ISBN



Inauguration of the Abstract Book by the Resource Persons and Principal, SS College

The invited lecture session featured several distinguished speakers. Dr. Jishnu Adhikary (Scientist, Tetra Tech, Mall Boulevard, King of Prussia, PA, USA), Dr. Anirban Mishra

(Professor, University of North Bengal), Dr. Avik Kumar Bagdi (Assistant Professor, University of Kalyani) and Dr. Tanmay Paul (Scientist, Research Institute of Sustainable Energy, India) enlightened the students with their thought provoking and informative presentations on different aspects of science and sustainability. Dr. Mrityika Mohar, member of organizing committee, sang a song on significance of chemistry in day-to-day life. Following the invited lectures, the oral presentation session featured contributions from research scholars and faculty members from different institutes of the state. Simultaneously, a poster presentation session was held, where numerous faculty members, research scholars and students actively participated and presented their research. The organizing secretary of the seminar, Dr. Md. Habib, treasurers Mr. Manirul Mandal and Ms. Manali Biswas, and member of the organizing committee Mr. Abu Raihan together coordinated the poster session of the seminar. The event concluded with a prize distribution ceremony recognizing the best oral and poster presentations.



Delegates on the stage and other participants including faculties, research scholars and students



Resource persons delivering their Lectures



Poster Session and Prize distribution

The seminar was efficiently conducted by Dr. Abhishek Basu. The seminar was well coordinated and supported by the entire organizing committee team, particularly by Ms.

Sayantani Basu, Ms. Manali Biswas, Mr. Md. Samirul Islam, Mr. Falguni Singha and Ms. Ranu Singha. Ms. Debjani Mandal, convener of the seminar expressed her gratitude and sincere thanks to the esteemed speakers, distinguished faculty members, research scholars, students and other participants of the seminar, in her valedictory speech, which marked the successful conclusion of a day filled with insightful discussions and academic exchange. All the students and faculty members highly appreciated the lectures of the eminent persons and provided positive feedback about this international conference. They shared positive feedback using the given link: (https://docs.google.com/forms/d/e/1FAIpQLSeSEG5GciM_FjpowgJQ6b_1-oiNGuP2pl1jS0NCwI06Hx8GQ/viewform?usp=sharing).

Media Link: <https://www.facebook.com/share/v/18gXSaBYoR/>



Sample Copy of the Certificate

Outcome of the seminar

The seminar on 'Emerging Trends in Science and Sustainability' offered an in-depth look at the latest progress in science and technology, particularly in relation to sustainable development. Participants from diverse fields, including faculty members, students, and research scholars came together to explore the major challenges, opportunities, and approaches for promoting sustainability through cutting-edge scientific methods.